TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/770,643A

Input Set : A:\LEX-0122-USA SEQLIST.txt

DATE: 09/10/2001

TIME: 08:33 RECEIVED

OIPE

Output Set: N:\CRF3\09102001\I770643A.raw TECH CENTER 1600/2900 4 <110> APPLICANT: Turner, C. Alexander Jr.

Hilbun, Erin 5 6 Donoho, Gregory 7 Scoville, John 8 Wattler, Frank ENTERED 9 Friedrich, Glenn 10 Abuin, Alejandro 11 Zambrowicz, Brian 12 Sands, Arthur T.

14 <120> TITLE OF INVENTION: Novel Human Neurexin-like Proteins and Polynucleotides Encoding the

15 Same

17 <130> FILE REFERENCE: LEX-0166-PRV

C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/770,643A

C--> 19 <141> CURRENT FILING DATE: 2001-01-26

19 <160> NUMBER OF SEQ ID NOS: 31

21 <170> SOFTWARE: FastSEQ for Windows Version 4.0

23 <210> SEO ID NO: 1

24 <211> LENGTH: 3924

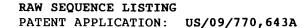
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1560



DATE: 09/10/2001 TIME: 08:33:49

Input Set : A:\LEX-0122-USA SEQLIST.txt
Output Set: N:\CRF3\09102001\I770643A.raw

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101 <220> FEATURE:
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103 <222> LOCATION: (1)...(1307)

104 <223> OTHER INFORMATION: Xaa = Any Amino Acid

RAW SEQUENCE LISTING DATE: 09/10/2001 PATENT APPLICATION: US/09/770,643A TIME: 08:33:49

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		Leu	Trp	His 20	Leu	Gly	Leu	Thr	Ala 25	_	Asn	Tyr	Asn	Cys 30		Asp
	Pro	Leu	Ala 35		Leu	Leu	Ser	Pro	Met	Ala	Phe	Ser	Ser 45		Ser	Asp
	Leu	Thr 50		Thr	His	Ser	Pro 55		Gln	Leu	Asn	Trp		Val	Gly	Thr
	-		Trp	Ser	Pro	Ala 70		Ser	Asn	Ala	Gln 75		Trp	Leu	Gln	Met 80
117		Leu	Gly	Asn	-		Glu	Ile	Thr			Ala	Thr	Gln	_	
	Tyr	Gly	Ser		85 Asp	Trp	Val	Thr	Ser	90 Tyr	Ser	Leu	Met		95 Ser	Asp
	Thr	Gly	_	100 Asn	Trp	Lys	Gln	_	105 Lys	Gln	Glu	Asp		110 Ile	Trp	Thr
	Phe		115 Gly	Asn	Met	Asn		120 Asp	Ser	Val	Val		125 His	Lys	Leu	Leu
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134 135	Arg	210 Gly	Asp	His	Ile	Thr	215 Leu	Glu	Leu	Gln	Lys	220 Gly	Arg	Leu	Ala	Leu
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138 139	Ser	Ala	Thr	Leu	245 <b>Gly</b>	Ser	Leu	Leu	Asp	250 <b>Asp</b>	Gln	His	Trp	His	255 <b>Xaa</b>	Val
140	-			260					265 Val	_			_	270		
142			275	-		_	-	280	Glu				285	_	_	
144		290			_		295	_	Pro		_	300		_		_
146	305					310	_		Cys		315	_	_		_	320
148					325				Lys	330					335	
150	_			340					345 Cys	_		_		350		_
152	·		355					360	Ser				365			
154		370					375	_	Ser	_		380				
TJJ	FIO	GTII	тте	ush	ату	neu	SGT.	٧dI	26T	FIIG	GIII	FILE	wr A	TIIT	ттЬ	นอแ

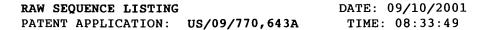
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Output Set: N:\CRF3\09102001\I770643A.raw

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		Asp	C1++	T 011	Ton		Cor	mh∽	C1	T 011		Clu	C1	Cor	C1	
158	гуу	кър	GIY	ьец	405	ьeu	Ser	1111	GIU	410	261	GIU	СТУ	Ser	415	1111
	Tou	Leu	T 011	Cor		C1	C1	C1	Tlo		λ <b>~</b> σ	Lon	W-1	т1.		T ***
160	цец	пеи	пеп	420	neu	GIU	GTA	GIY	425	ьец	ALY	neu	vaı	430	GIII	пур
	Wot	mh m	C1		17-1	<b>3</b> 15	C1	т1.		mh =	C1	Com	N a n		7 0 0	7 00
	Mec	Thr		Arg	Val	Ald	GIU		ьеп	THI	СТА	ser		ьеп	ASII	ASP
162	<b>~1</b>	T 0	435	TT	C	37- 1	O	440	3	31-	<b>3</b>	N	445	N	т1.	mb
	GIY	Leu	ттр	HIS	ser	var				ATG	Arg	460	ASII	Arg	TTE	THE
164	т	450	T 0	3.00	3 ~ ~	<b>a</b> 1	455			Dma	310		*	0	mb	
	465	Thr	ьeu	Asp	ASP		Ald	Ald	PIO	PIO		Pro	ASP	ser	THE	_
		<b>01</b> -	<b>T</b> 1-	<b></b>	G	470	3	<b>a</b>	m	m	475	<b>a</b> 1	a1	<b>G</b>	D	480
	Val	Gln	тте	TAL		GIY	ASII	ser	TAL		Pne	GTÄ	СТУ	Cys		ASP
168	3 an	Τ	mh	3.00	485	<b>61</b> 5	a	T 0	3.00	490	T1.	T	3 l a	nha	495	C1
	ASII	Leu	Thr	500	ser	GIN	Cys	Leu	505	Pro	116	гаг	АТа		GIN	GIĄ
170	0	Wat	<b>3</b>		T1.	Dh.	т1.	3		<b>C1</b> =	D	T	3	510	T1.	0
	Cys	Met	_	Leu	TTE	Pne	TTE	_	ASN	GIn	Pro	гÀг	_	Leu	TTE	ser
172	17- 1	<b>01</b> -	515	<b>01</b>	0	T	01	520	nh -	0	<b>3</b>	T	525	T1_	<b>3</b>	T
	val	Gln	GIII	GLY	ser	Leu	_	ASN	Pne	ser	ASP		HIS	ire	ASP	Leu
174	a	530	T1.	T	3	3	535	T	D	3	m	540	<b>a</b> 1	TT -	01	01
	_	Ser	ше	ьys	ASP	_	Cys	Leu	PIO	ASII	_	Cys	GIU	HIS	СТА	_
	545	0	<b></b>	<b>01</b> =	0	550	m 1	m la	Dh.		555	3	<b></b>	O	<b>3</b>	560
	ser	Cys	ser	GIII		ттр	THE	THE	Pne	_	Cys	ASI	Cys	ser	_	Thr
178	Com	Ш	mh	c1	565	mh	<b>0</b>	114.0	3	570	T1.		c1	C1	575	<b>C</b> -
	ser	Tyr	THE	-	Ald	THE	Cys	HIS		ser	тте	TYL	GIU		ser	Cys
180	C1	17-1	Ш	580	mi a	C1 =	c1	<b>3</b> a n	585	31-	c1	Dha	Dho	590	т1.	1.00
	GLU	Val	-	Arg	HIS	GIII	GIY		THE	Ald	СТА	Pile		TAT	тте	ASP
182	002	N a n	595	Com	c1	Dwa	T 0	600	Dwo	T 0.1	C1 =	17. 1	605	0	7.00	T1.
184	ser	Asp 610	GLY	ser	СТА	PIO	615	GIY	PIO	ьeu	GIII	620	тут	Cys	ASII	116
	Thr	Glu	ð an	Tvva	т1.	m~~		Cor	17 a 1	Cln	ni a		λan	mhr	C1	T OU
	625	GIU	ASP	гу	116	630	1111	261	Val	GIII	635	ASII	ASII	1111	GIU	640
		Arg	Val	λκα	Clv		λen	Dro	Clu	Twe		u) z z zc	λla	Mot	7 J a	
188	1111	ALY	Val	AIG	645	AIG	ASII	FIO	GIU	650	FIU	TÄT	ΑΙα	Mec	655	пец
	Aen	Tyr	Clv.	G1v		Mat	Clu	C1n	Lau		λla	V=1	т1а	λen		Sor
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199 200 201 202	Cys Asn Ser	Cys	Asp Lys 755	Ala 740 Asp	725 Asp His	Lys Leu	Asp Pro	Glu Val 760	Trp 745 Thr	730 Thr Gln	Asn Ile	Asp Val	Thr Ile 765	Gly 750 Thr	735 Phe Asp	Leu Thr



Input Set : A:\LEX-0122-USA SEQLIST.txt
Output Set: N:\CRF3\09102001\1770643A.raw

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		r Tyr	ьeu	nıs		PIO	1111	Pile	птъ	810	GIU	Pile	ser	нта	815	TIE	
20		r Phe	Dho	Dho	805	mb z	mb ~	212	T 011		C117	Wa 1	Dho	LOU		λan	
		Pile	Pile	820	гуу	1111	1111	нта	825	ser	СТУ	Val	Pile	830	GIU	ASII	
21	-		Tla		3.00	Dha	т1.	7 ~~		C1	T10	Cor	Cor		Cor	C1.,	
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		ı Ser		Sar	Ι.Δ11	T.011		Δen	Δen	Gln			Tur	Val	Δra	Δla	
	6 86		110	DCI	пси	870	non	КЭР	AJII	GIII	875	1113	111	<b>741</b>	mrg	880	
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		/ Cys		Arq	Ser	Leu	His	Leu	Asn	Gly	Gln	Lys	Met	Asp	Leu	Glu	
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23			995					1000					1005				
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		Ser	Ser	Ser	Ala		-	Thr	Asp	Ser			Ser	Lys	Glu		
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		Thr			λla	λen	λen			λen	Δτα	λτα			ије	T.au	
24		109		nsp	ALG	лэр	1095		nau	กรแ	nry	1100		1113	1115	БСи	
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	6 110		11511	*****	014	1110	_	Q1u	ЦСИ	1111	1115		1100	1156	0111	1120	
		Arg	Leu	Ser	Tvr			Ser	Pro	Glu			Phe	Ara	Val		
24		5			1125					1130				,	1135		
		Ser	Leu	Thr			Lys	Val	Thr			Leu	Gly	Leu			
25	_			1140		1	- <b>4</b> -	·	1145				1	1150			
		Val	Ala			Asn	Ala	Met			Ala	Gly	Cys			Ser	
25			1155	_				1160	_			-	1165				
25	3 Va]	Gln	Tyr	Asn	His	Ile	Ala	Pro	Leu	Lys	Ala	Ala	Leu	Arg	His	Ala	

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

**VERIFICATION SUMMARY** 

PATENT APPLICATION: US/09/770,643A

DATE: 09/10/2001 TIME: 08:33:50

Input Set : A:\LEX-0122-USA SEQLIST.txt
Output Set: N:\CRF3\09102001\I770643A.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:1284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20